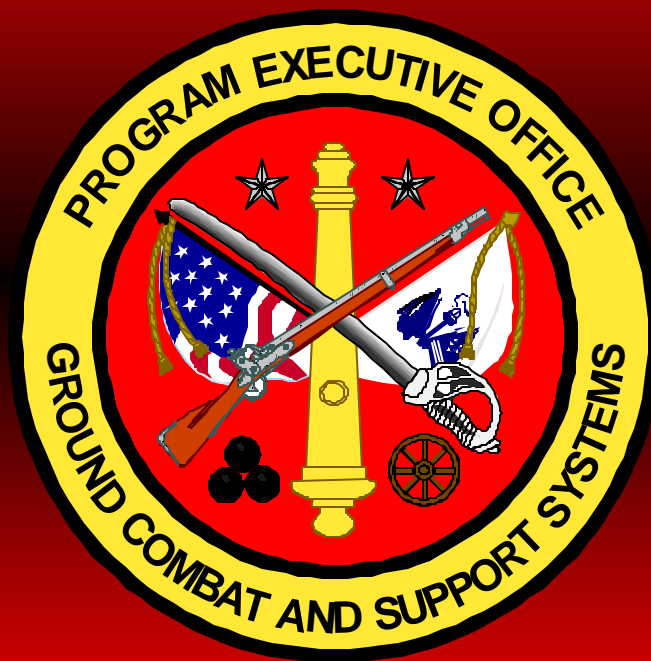


PEO - GCSS

A View of Munitions, the Industrial Base and the TRIAD Process



12 January 2000

Presented to:

2000 Ammunition Executive Summit

Presented by

MG JOHN F. MICHITSCH

Program Executive Officer
Ground Combat and Support Systems



2000 Ammunition Executive Summit

Driving Changes that Influence the Industrial Base

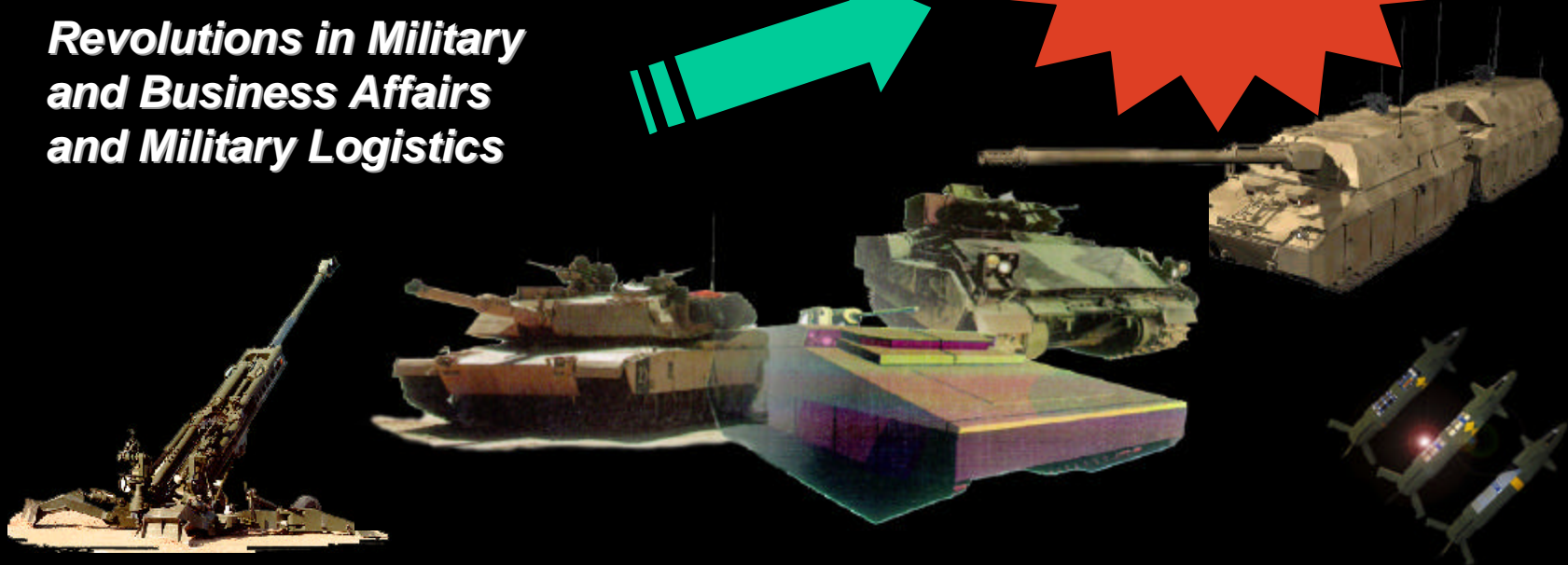
IMPACT

Changing Customer Needs

Rapid Technology Changes

**Revolutions in Military
and Business Affairs
and Military Logistics**

**Munitions
Industrial Base**





The Need for Change!

Army Relevancy

CSA Vision:

Lighter and Faster, More Deployable, Lethal and Survivable

MEDIUM FORCE - 2 Medium Weight Brigades @ Ft. Lewis

**“Force Multipliers and Readiness
thru Technology & Training”**

**Information Dominance thru Digitization, Smart Munitions, Light, Fast
& Lethal Platforms**

- > JLW 155, LW Crusader, Wheeled and Tracked RSV concepts**
- > Future Combat Vehicle (FCV) - “System of Systems”**
- > Greater Need for Smart Munitions - Smaller Calibers**



The Drivers of Change “Smart Munitions”

- **TRADOC - User Community - Artillery School Vision**
 - “Munitions Centrality” - Force Multiplier Effect from the Munitions
 - Legal Mix IX - Where future technology is moving
- **AMC and TRADOC - Precision Munitions Logistics Study (PMLS)**
 - Warfighting Benefits
 - Logistics Benefits
 - LC Cost Benefits
- **TRIAD Process - Artillery IPT - “JDAM-like evolution”**
- **Medium Brigade Needs - More lethal, Less Log Tail**



Evolving Strategy

“Transition to Smart”

- **Make Legacy Stocks Smarter - “JDAM-like”**

Auto Registration

1 D (Range) and 2 D (Range and Deflection) Correction

- **SADARM Technology Evolution**

Basic —————> Product Improved —————> Block II

- **Extended Range Precision Attack - XM982**

DPICM —> SADARM —> Unitary —> Special Effects



Medium Force

"Driving Change"

■ **Lighter, Faster, More Deployable, Lethal and Survivable:**

- Vehicles and Weapons - Lighter, Reduced Caliber, C130 Deployable for Intra-theater transport
- Munitions must be lighter and must have a reduced Logistical Footprint

■ **"Smart Munitions"**

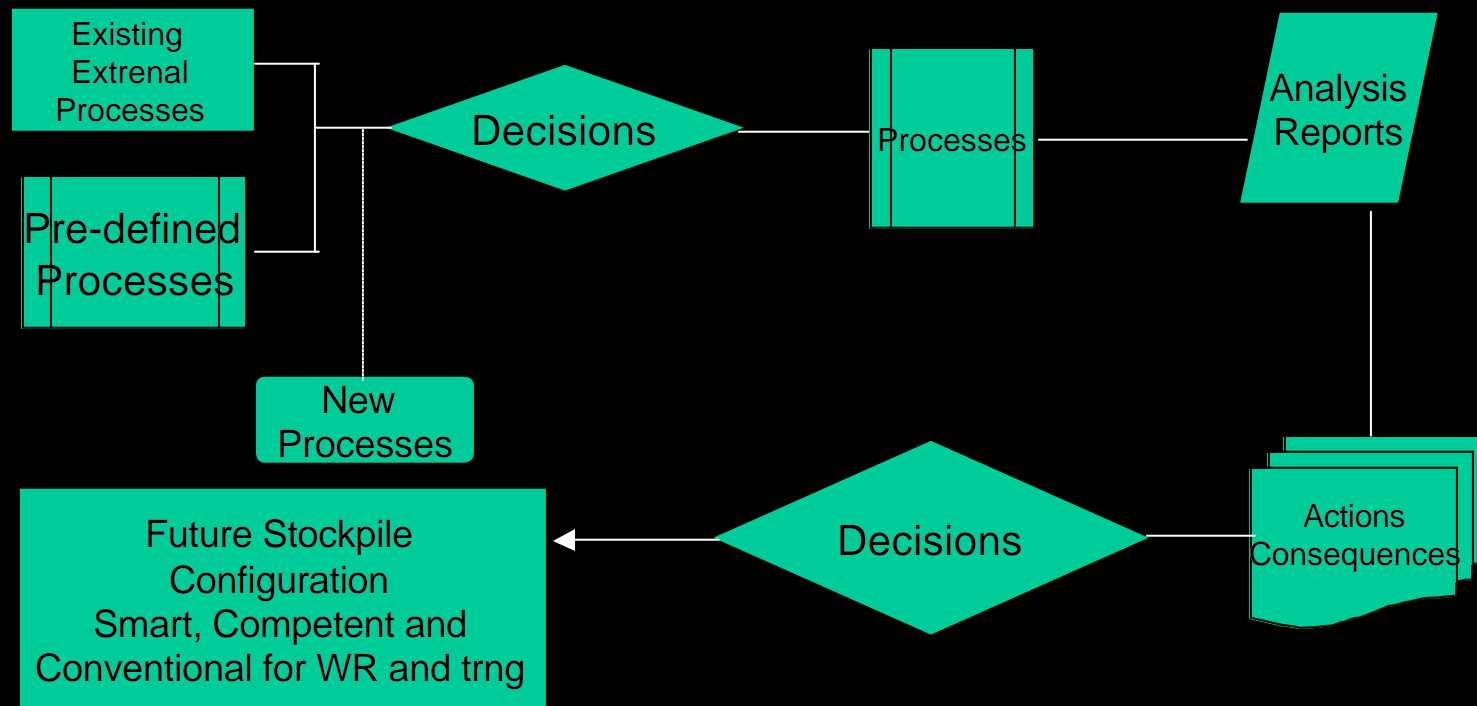
- Reduces tonnage and cube requirements
- Increases stowed kills
- Increased first round kill probability
- Reduced, to possibly No target registration req'd
- Greater Standoff potential - enhanced Overmatch
- Non-line of Sight (NLOS) - Increased Survivability
- Fire and Move, Fire on the Move - Inc'd Survivability



How Do We Get There?

“One Approach - Business Model Analysis”

■ The PEO with TACOM Building a Business Model



■ Coordinate processes with all stakeholders



Business Model Approach

“Transition to Smart”

- **Identify Processes which can yield Reinvestment Potential**
 - **Greater use of M&S in Training**
 - **Reduce Industrial Base Under-Utilized Capacity**
 - **Consolidate the Organic Base - “Right-Size”**
 - **Improve processes and reduce the costs to manufacture**
 - ➔ **Focus tech base and incorporate new MANTECH strategies**
 - **Challenge the Requirements Processes - Smarter, Creative Solutions for Replenishment**
 - **Ammunition Management -**
 - ➔ **Reduce the Fragmentation**
 - ➔ **Single Strong Voice**
 - ➔ **Manage as a Major/ACAT 1 Program**
- **Develop sound technological and programmatic solutions**
- **Market to the Army Leadership for Implementation**



Business Model Approach

- Can we increase the Ammo Budget? Do we have a Case to argue for it?
- Do we Reinvest Savings from other other processes evaluated? Training and Industrial Base!
- TRIAD and SAG sponsored - Elevate Results as Req'd
- TEC and Integration Team develop/manage process
- TRIAD Family Teams pull it all together assuring all stakeholders are in the process - IPPD
- Change is: “Responsive to the Customer”
 - “Customer Requirements Driven”
 - Life Cycle Focused
 - Complete Ammo Community participation
 - TRIAD process enables Industry perspective



TRIAD Assessment

- **Communications have drastically improved!
Approaching “true” IPPD Environment”**
- **Process uncovered many Issues**
- **The Teams and TEC have solved the easy Issues**
- **Tough Issues have been tabled, but unresolved**
- **Need the SAG to bring forward the toughest Issues
with a plan for resolution.**
- **PNNL and GAO Investigations/Recommendations -
Need a Single Voice - Manage as a Major Program**
- **TRIAD is a good, workable interim solution**